

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



28598FW  
Attorney's Docket No.: 14952.0286 / MIT 8800

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Alfred A. Barney *et al.* Art Unit: : 2859

Serial No. : 09/779,437 Examiner : Mirellys Jagan

Filed : February 9, 2001

Title : TEMPERATURE-SENSING COMPOSITION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), Massachusetts Institute of Technology, certifies that it is the assignee of 100% of the right, title and interest in the patent application identified above by virtue of:

An assignment from the inventors of the patent application identified above, recorded at the Patent and Trademark Office on August 3, 2001, at reel/frame 012044/0086. A copy of the recorded assignment is enclosed for your reference.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

Harold H. Fox	Reg. No. 41,498
Stuart T.F. Huang	Reg. No. 34,184
D. Douglas Price	Reg. No. 24,514
Charles F. Schill	Reg. No. 27,590
Scott D. Watkins	Reg. No. 36,715

of: STEPTOE & JOHNSON LLP  
1330 Connecticut Avenue, NW  
Washington, DC 20036

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

Applicant : Barney et al.  
Serial No. : 09/779,437  
Filed : February 9, 2001  
Page : 2 of 2

Attorney's Docket No.: 14952.0286 / MIT 8800

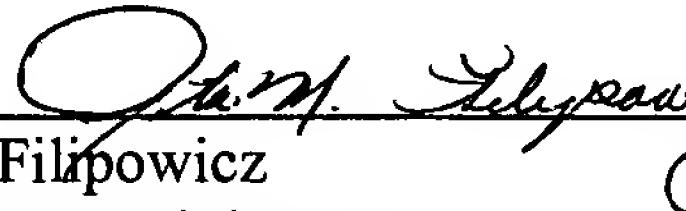
All correspondence regarding the application should be sent to:

**27890**  
PTO Customer Number

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

Date: 6/28/04

  
\_\_\_\_\_  
Rita Filipowicz  
Patent Administrator

Steptoe & Johnson LLP  
1330 Connecticut Avenue, NW  
Washington, DC 20036-1795  
Telephone: 202-429-3000  
Facsimile: 202-429-3902



01447-286001  
HHS  
**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 10, 2001

PTAS

FISH & RICHARDSON P.C.  
HAROLD H. FOX  
601 THIRTEENTH STREET, NW  
WASHINGTON, DC 20005



\*101805725A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/03/2001

REEL/FRAME: 012044/0086  
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
WALKER, GLEN W.

DOC DATE: 05/30/2001

ASSIGNOR:  
NOCERA, DANIEL G.

DOC DATE: 08/02/2001

ASSIGNOR:  
BARNEY, ALFRED A.

DOC DATE: 05/21/2001

ASSIGNOR:  
SUNDAR, VIKRAM C.

DOC DATE: 06/12/2001

ASSIGNOR:  
BAWENDI, MOUNGI G.

DOC DATE: 06/12/2001

ASSIGNOR:  
RUDZINSKI, CHRISTINA M.

DOC DATE: 05/30/2001

RECEIVED

OCT 15 2001

* No Docketing Required *
Reviewed By Practice Systems
Initials: <u>JHG</u>
Reviewed By Billing Secretary
Initials: _____

FISH & RICHARDSON, P.C.  
WASHINGTON, D.C.  
PRACTICE SYSTEMS

012044/0086 PAGE 2

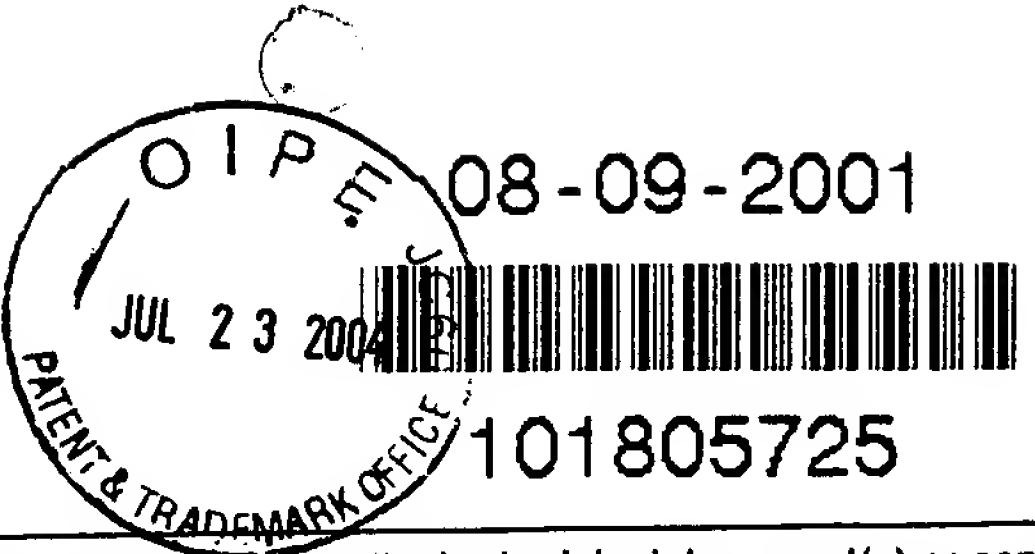
ASSIGNEE:

MASSACHUSETTS INSTITUTE OF  
TECHNOLOGY  
77 MASSACHUSETTS AVENUE  
CAMBRIDGE, MASSACHUSETTS 02142-1324

SERIAL NUMBER: 09779437  
PATENT NUMBER:

FILING DATE: 02/09/2001  
ISSUE DATE:

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



08-09-2001

Substitute Form PTO-1595  
Attorney Docket No.: 01997-286001  
Client's Ref. No.: MIT Case 8800

## SHEET

101805725



Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):  Glen W. Walker, Daniel G. Nocera, Alfred A. Barney, Vikram C. Sundar, Mounig G. Bawendi and Christina M. Rudzinski  Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies):  Massachusetts Institute of Technology 77 Massachusetts Avenue Cambridge, Massachusetts 02142-1324
3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: 5/21/2001, 5/30/2001, 6/12/2001 and 8/2/2001		<i>8-3-01</i>  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Application number(s) or patent number(s):  If this document is being filed with a new application, the execution date of the application is:  A. Patent Application No(s).:  09/779,437		B: Patent No(s).:  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name/address of party to whom correspondence concerning document should be mailed:  HAROLD H. FOX Fish & Richardson P.C. 601 Thirteenth Street, NW Washington, DC 20005		6. Total number of applications/patents involved: 1  7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account.  8. Deposit Account No.: 06-1050  Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE		
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>		
Harold H. Fox Reg. No. 41,498 Name of Person Signing	Signature	Date
Total number of pages including coversheet, attachments and document: 8		

40064485.doc

08/09/2001 6TOM11 00000004 09779437

01 FC:581

40.00 0P

## ASSIGNMENT

For valuable consideration, we, ALFRED A. BARNEY of Groveland, MA, MOUNGI G. BAWENDI of Boston, MA, DANIEL G. NOCERA of Winchester, MA, CHRISTINA M. RUDZINSKI of Cambridge, MA, VIKRAM C. SUNDAR of Somerville, MA, and GLEN W. WALKER of Cambridge, MA, hereby assign to Massachusetts Institute of Technology, a Massachusetts corporation, its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled TEMPERATURE-SENSING COMPOSITION, filed February 9, 2001, and assigned U.S. Serial Number 09/779,437, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Newburyport MA,  
this 21<sup>st</sup> day of May, 2001  
Alfred A. Barney  
ALFRED A. BARNEY L.S.

State of Massachusetts:

: ss.

County of Ossipee :

Before me this 21<sup>st</sup> day of May, 2001, personally  
appeared ALFRED A. BARNEY known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Dianne M. Jean  
Notary Public

My Commission Expires:

DIANNE M. JEAN  
Notary Public  
My Commission Expires  
September 8, 2006

[Notary's Seal Here]

IN WITNESS WHEREOF I hereto set my hand and seal at Cambodia, m/s,  
this 19th day of June, 2001  
Mrs. On \_\_\_\_\_ L.S.  
MOUNGI G. BAWENDI

State of Massachusetts

: ss.

County of Middlesex:

Before me this 19th day of June, 2001, personally  
appeared MOUNGI G. BAWENDI known to me to be the person whose name is subscribed to  
the foregoing Assignment and acknowledged that he executed the same as his free act and deed  
for the purposes therein contained.

Andrea E. Barry  
Notary Public

My Commission Expires:

[Notary's Seal Here]

ANDREA E. BARRY  
Notary Public  
My Commission Expires  
August 30, 2007

IN WITNESS WHEREOF, I hereto set my hand and seal at 10:36 AM,  
this 2 day of August, 2001

Daniel G. Nocera

DANIEL G. NOCERA

L.S.

State of MA:

: ss.

County of Middlesex:

Before me this 2 day of August, 2001, personally  
appeared DANIEL G. NOCERA known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Susan Sanderson

Notary Public

My Commission Expires:

[Notary's Seal Here]

11/24/06

Susan Sanderson

IN WITNESS WHEREOF, I hereto set my hand and seal at 2:30pm,  
this 30 day of May, 2001  
Christina M. Rudzinski L.S.  
CHRISTINA M. RUDZINSKI

State of Massachusetts:

: ss.

County of Middlesex:

Before me this 30 day of May, 2001, personally  
appeared CHRISTINA M. RUDZINSKI known to me to be the person whose name is  
subscribed to the foregoing Assignment and acknowledged that he executed the same as his free  
act and deed for the purposes therein contained.

Margaret Anne Udden  
Notary Public

My Commission Expires:

**Margaret Anne Udden**  
**NOTARY PUBLIC**  
My commission expires April 4, 2008

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, MA,  
this 12<sup>th</sup> day of June, 2001  
Sunday  
VIKRAM C. SUNDAR

L.S.

State of Massachusetts

: ss.

County of Middlesex :

Before me this 12<sup>th</sup> day of June, 2001, personally  
appeared VIKRAM C. SUNDAR known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Andrea E. Barry  
Notary Public

My Commission Expires:

[Notary's Seal Here]

ANDREA E. BARRY  
Notary Public  
My Commission Expires  
August 30, 2007

IN WITNESS WHEREOF, I hereto set my hand and seal at 2.35 pm,  
this 30 day of MAY, 2001

Glen W. Walker  
GLEN W. WALKER

L.S.

State of Massachusetts :

: ss.

County of Middlesex :

Before me this 30th day of May, 2001, personally  
appeared GLEN W. WALKER known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Margaret Anne Udden  
Notary Public

My Commission Expires:

**Margaret Anne Udden**  
**NOTARY PUBLIC**  
My commission expires April 4, 2008

[Notary's Seal Here]